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"Production of Ammonia by Herbivora as a Protection Against Acidosis," by E. B. Hart and E. V. Nelson (by invitation).

"The Influence of Restricted Rations on Reproduction," by E. B. Hart, E. V. McCollum and H. Steenbock.

"Further Studies on the Quantitative Chemical Composition of Urinary Calculi," by J. Rosenbloom.

"On the Quantitative Chemical Composition of Gall Stones," by J. Rosenbloom.

"Metabolism Studies in a Case of Family Periodic Paralysis," by J. Rosenbloom and T. Diller (by invitation).

"Calcium Metabolism in Thyroparathyroidectomy," by F. T. Stewart (by invitation), Olaf Bergeim (by invitation), and P. B. Hawk.

"Variations in the Hydrogen Ion Concentration of the Urine of Man Accompanying Fasting and the Low and High Protein Regeneration Periods," by P. E. Howe and P. B. Hawk.

The following papers submitted in the American Society of Biological Chemists were transferred with the authors' consent and in accordance with the principles of the Federation, to the program of one of the other societies:

Presented before the American Physiological Society:

"The Maximum Surface Tension in Striated Muscle," by W. N. Berg. (By title.)

"Sources of Surface Tension in Striated Muscle," by W. N. Berg.

"Transfusion of Blood in Severe Diabetes Mellitus," by R. T. Woodyatt and B. O. Raulston (by invitation).

Presented before the American Society for Pharmacology and Experimental Therapeutics:

"The Production of Glycosuria by Zinc Salts," by W. Salant and M. Kahn.

"Further Observations of Caffeine Glycosuria," by W. Salant and M. Kahn.

"Studies Upon the Long-continued Feeding of Saponine," by C. L. Alsberg and C. S. Smith.

New Members.—Dr. Shiro Tashiro, University of Chicago, Chicago, Ill.; Dr. E. K. Marshall, Jr., Johns Hopkins Medical School, Baltimore, Md.; Professor R. S. Lillie, Clark University, Worcester, Mass.; Dr. K. G. Falk, Harriman Research Laboratory, Roosevelt Hospital, New York; Dr. F. C. Cook, Bureau of Chemistry, Department of Agriculture, Washington, D. C.; Dr. W. H. Eddy, Columbia University, New York; Professor R. F. Ruttan, McGill University, Montreal, Canada; Dr. H. B. Lewis, University of Pennsylvania, Philadelphia, Pa.; Dr. C. J. West, Rockefeller Institute, New York; Dr. E. C. Kendall, St. Luke's Hospital, New York; Dr. G. W. Raiziss, Polyclinic Hospital, 1818 Lombard Street, Philadelphia Pa.; Professor A. D. Hirschfelder, University of Minnesota, Minneapolis, Minn.

Officers Elected.—The following officers were elected for the year 1914:

President: Graham Lusk.

Vice-president: C. L. Alsberg.

Secretary: P. A. Shaffer.

Treasurer: D. D. Van Slyke.

Additional Members of the Council: J. J. Abel, A. B. Macallum, T. B. Osborne.

Nominating Committee.—S. R. Benedict, H. S. Bradley, Otto Folin, W. J. Gies, J. H. Kastle, J. B. Leathes, P. A. Levene, L. B. Mendel, H. G. Wells.

The society voted its formal approval of the establishment of the Federation of American Societies for Experimental Biology, comprising the American Physiological Society, American Society of Biological Chemists and the American Society for Pharmacology and Experimental Therapeutics. The society also voted in favor of admitting to the federation the newly organized American Society for Experimental Pathology.

A unanimous vote of thanks was extended by the society to the individual members of the "local committee," to the University of Pennsylvania and to the Jefferson Medical College for the hospitality which the society enjoyed.

The following members were present at one or more of the sessions of the meetings: J. J. Abel, C. L. Alsberg, S. Amberg, L. Baumann, S. P. Beebe, W. N. Berg, W. R. Bloor, H. C. Bradley, H. H. Bunzel, R. Burton-Opitz, E. D. Clark, F. C. Cook, H. D. Dakin, Willey Denis, W. H. Eddy, Otto Folin, W. J. Gies, I. Greenwald, Shinkishi Hatai, R. A. Hatcher, P. B. Hawk, L. J. Henderson, P. E. Howe, W. H. Howell, R. Hunt, A. Hunter, N. W. Janney, W. Jones, I. S. Kleiner, P. A. Kober, J. B. Leathes, J. Loeb, A. S. Loevenhart, Graham Lusk, A. B. Macallum, J. J. Macleod, W. deB. NacNider, W. McK. Marriott, E. K. Marshall, J. Marshall, E. V. McCollum, F. H. McCrudden, H. McGuigan, L. B. Mendel, P. H. Mitchell, J. R. Murlin, V. C. Myers, T. B. Osborne, A. W. Peters, G. W. Raiziss, A. N. Richards, A. I. Ringer, E. W. Rockwood, L. G. Rowntree, Wm. Salant, F. H. Scott, P. A. Shaffer, T. Sollmann, Shiro Tashiro, A. E. Taylor, F. P. Underhill, D. D. Van Slyke, C. Voegtlin, G. B. Wallace, H. G. Wells, R. T. Woodyatt.

Abstracts of the papers will be published in the *Journal of Biological Chemistry*.

P. A. SHAFFER,
Secretary

WASHINGTON UNIVERSITY
MEDICAL SCHOOL,
ST. LOUIS, MISSOURI

THE AMERICAN ASSOCIATION OF ECO- NOMIC ENTOMOLOGISTS

THE 26th annual meeting of the association was held in the Atlanta Medical College, Atlanta, Ga., December 31, 1913, to January 2, 1914, under the presidency of Professor P. J. Parrott, Geneva, N. Y.

The report of the secretary showed that the association was making a healthy growth and that the *Journal of Economic Entomology* was gradually increasing in circulation and that its financial condition was satisfactory.

Prior to the meeting arrangements were made for the incorporation of the association. This was brought about and the association is now incorporated as a membership corporation under the laws of the District of Columbia.

During the meeting the association considered the possibility of securing the publication of a bibliography of economic entomology and a committee was appointed to take charge of assembling the references required, and to investigate the possibilities of publishing this useful work.

Thirty-four new members were elected to the association and the following officers were elected for the ensuing year:

President—Dr. H. T. Fernald, Amherst, Mass.

First Vice-president—Professor Glenn W. Herriek, Ithaca, N. Y.

Second Vice-president—Dr. W. E. Britton, New Haven, Conn.

Third Vice-president—Professor Wilmon Newell, College Station, Texas.

Secretary—A. F. Burgess, Melrose Highlands, Mass.

It was voted to hold the next meeting in conjunction with that of the American Association for the Advancement of Science at Philadelphia next December.

The section on apiary inspection met on January 1 at 10:30 A.M., and was presided over by Professor Wilmon Newell, College Station, Texas. In the absence of the secretary, Mr. N. E. Shaw, Columbus, Ohio, was elected to act as secretary. Several papers were presented and a general discussion followed concerning the apiary inspection work which is being carried on by the different states. At the close of the session the above-mentioned officers were elected for the ensuing year.

The section on horticultural inspection was presided over by Professor E. L. Worsham, Atlanta, Ga., and Professor J. G. Sanders, Madison, Wis., as secretary. The meeting was called to order at 1:30 P.M., January 1, and an adjourned meeting was held at 7 P.M. in the parlors of the Ansley Hotel. A full program of papers was presented at this meeting and many subjects of interest to horticultural inspectors were considered and discussed. One of the most important matters brought before the section was the consideration of a uniform

nursery inspection law and more definite standards for inspection of nursery stock, which passes into interstate commerce. The meeting adjourned at 8 P.M., and the following officers were elected to serve for the ensuing year: Dr. W. E. Britton, New Haven, Conn., *Chairman*; Professor J. G. Sanders, Madison, Wis., *Secretary*. At the close of this meeting all visiting entomologists were the guests of state entomologist Worsham and his assistants at a smoker which was held at the University Club. There was a large attendance and all those present united in extending their thanks to the hosts of the occasion.

The program of scientific papers was introduced by the address of President Parrott on "The Growth and Organization of Applied Entomology in United States." This was followed by a series of papers on the organization of various kinds of special entomological work which is being carried on in different sections of the country. On Thursday morning a number of papers were presented bearing on spraying with poisonous and contact insecticides; on fumigation and life history studies on a number of orchard and garden pests. At the afternoon session, papers were read on experimental work on a number of insects which are destructive to garden and field crops and forests, and several papers on insect parasitism were also presented.

At the closing session on Friday morning, January 2, a paper was presented by Dr. L. O. Howard on "The Education of the Entomologist in the Service of the United States Department of Agriculture," and this was followed by a number of interesting papers on mosquitoes and house flies, which took up observations on their habits and experiments bearing on their control.

All the papers presented at the meeting will be published in full in the *Journal of Economic Entomology*.

A. F. BURGESS,
Secretary

THE AMERICAN PHILOSOPHICAL ASSOCIATION

THE association at its annual meeting at New Haven, Conn., in December, elected the following officers:

President—Professor J. H. Tufts, of Chicago University.

Vice-president—Professor W. H. Sheldon, of Dartmouth College.

Secretary-treasurer—Professor E. G. Spaulding, of Princeton University.